OSD Product Support BCA Guidebook



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Introduction

- Product Support BCA Guidebook
 - Draft document
 - Final review phases within Materiel Readiness
- Purpose of brief
 - Explain the PSM need for standardized, transparent, and defendable decision making process
 - Present an overview of the BCA guide, context, and application



Overview

- Product Support Background
 - Assessments of DOD Product Support Actions
 - Product Support Strategy
 - Product Support Business Model
- Product Support BCA Guidebook
 - Definition
 - Structure
 - Delivery
 - Other considerations



Findings from GAO Report-December 2008

- "29 PBLs examined (9 USA, 10 DON, 10 USAF)
 - Most of the Services have not established internal controls necessary to ensure a comprehensive assessment...many inconsistencies across the Services guidance.
 - In general, BCAs were either not done, not fully documented, or were not comprehensive or sound
 - Almost all costs were either difficult to verify/validate or trace back to sound accounting data"



2009 DoD Weapon System Acquisition Reform: Product Support Assessment (PSA)

Product Support Business Model:

Provide Program Managers a model template for a weapon system support strategy that drives costeffective performance and capability for the Warfighter across the weapon system life cycle and enables most advantageous use of an integrated defense industrial base

Industrial Integration Strategy:

Align and expand the collaboration between Government & Industry that produces best value partnering practices

Governance:

Metrics

Strengthen and develop organization and mgmt processes to deliver the right sustainment information to decision-makers

Metrics:

Use existing metrics to catalyze sustainment strategies and trigger continuous supportability analysis

O&S Costs: Improve O&S cost visibility

and influence

strategies to ent approaches that across the DoD of Support
Business Model

Industrial Integration Operational Strategy

Governance

O&S Costs

Analytical Tools

Human Capital

Supply Chain Operational Strategy:

Connect platform product support strategies to enterprise supply chain approaches that produces best value across the DoD components

Analytical Tools:

Build a toolbox of analytical approaches (including BCA)

Human Capital:

Integrate Product
Support competencies
across the Logistics and
Acquisition workforce
domain to
institutionalize
successful traits of an
outcome-based culture

Weapons System Data:

Define, collect, report, and manage the data we need to drive effective Life Cycle Product Support



Product Support Manager

- Product Support Strategy
 - The business model of an integrated system
 - Balance across functional areas and stakeholders
 - Evolutionary process develops the strategy
- Congressional influences on the Strategy
 - Required governmental position with responsibility
 - Improved credibility and transparency of data and decision making
 - Directive in governing frequency and supporting documentation of decision making
 - NDAA 2010 Section 805, WSARA 2009



DoD Product Support Strategy Process





Analysis of support and strategy options

Best Mix of Public/Private Capabilities

Performance Based Support

Optimal use of Performance Based Strategies

ORGANIC

Organic Support

Best Mix CONTRACTOR
Contractor
Support

- Partnering Opportunities
- Title 10 (CORE & 50/50)
- Service Policies
- OSD/Service Guidance

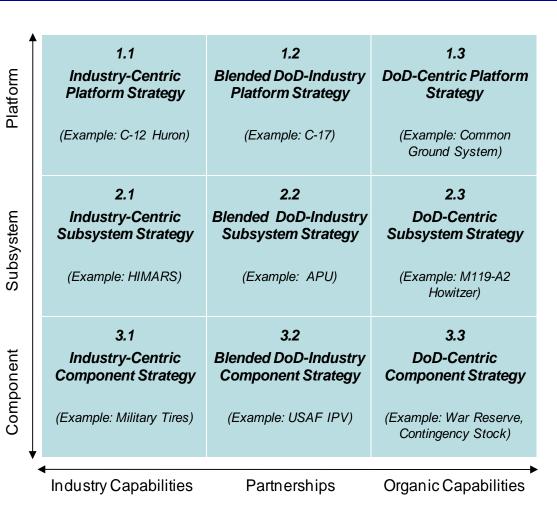
Transaction
Based
Support

- Existing Infrastructure
- Best Competencies
- Operational Mission
- Best Value Assessment



Product Support Decision Matrix





Integration Strategy



Overview

- Product Support Background
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DoD Product Support BCA Definition

What is a BCA?

"A (Product Support) BCA is a structured methodology and document that aids decision making by identifying and comparing alternatives by examining the mission and business impacts (both financial and non-financial), risks, and sensitivities"



Purpose of a BCA

- Support decisions that balance benefits, costs and risks within some form of prioritization
- Provides a fair and objective study to lead to a decision, not justify a decision after the fact
- For product support strategies, assess performance and costs with the goal to:
 - Optimize total system availability
 - Minimize cost
 - Minimize logistics footprint



Business Case Analysis Structure

BCA PURPOSE:

Problem Statement, Objectives,
Desired Outcomes and Requirements, Metrics

BCA PROCESS COMPONENTS:

Executive Summary

Introduction

Assumptions and Methods Alternatives

Desired Outcomes & Requirements

Mission & Business Impacts

Risk Analysis & Mitigation Plans

Sensitivity Analysis

Conclusion

Recommendations

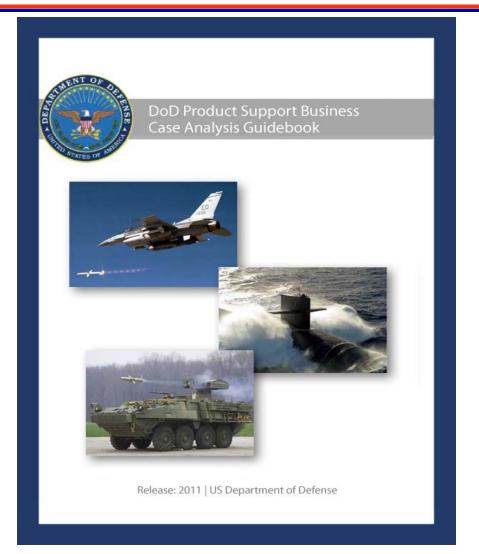
mplementation Plan

BCA QUALITY FOUNDATION: Governance, Research, Data Management, Due Diligence



Product Support BCA Guidebook Overview

- Purpose
- People
- Data Management
- Process & Content
- Governance
- Documentation
- Checklist
- References





BCA People

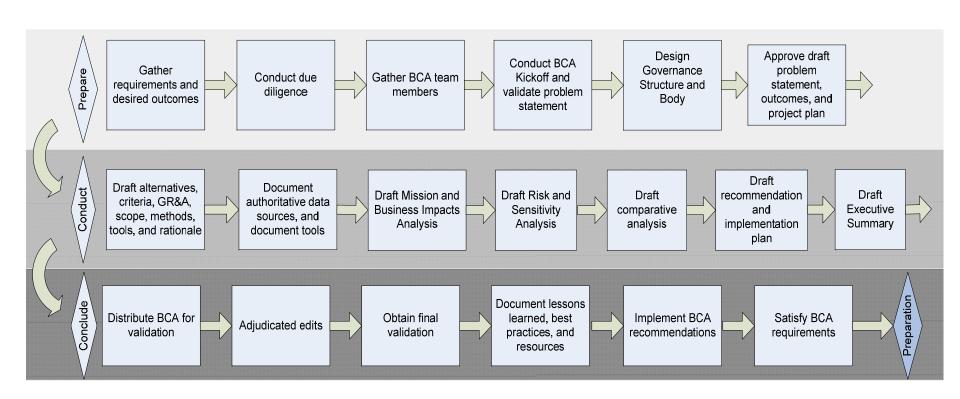
- A. Sponsor
- B. Owner
- C. Warfighter
- D. PM/PSM
- E. Governance Body
- F. Business Analyst
- G. Logistician
- H. Systems Engineer

- I. PSI/PSP
- J. Data Manager
- K. Legal & Contracts
- L. Approval Authorities
- M. Subject Matter Experts (SMEs)
- N. Other



Draft DoD BCA Process

The BCA process flow prepares, performs, and presents a BCA in a structured manner to ensure effective documentation and credible decision support.





BCA – Content

Executive Summary				
	Problem Statement			
Introduction	Background			
	Scope			
Desired Outcomes and	Desired Outcomes			
Requirements	Requirements			
	Grounds Rules, Assumptions, and Constraints			
Assumptions and Methods	Analysis Methods, Tools, and Rationale			
	Evaluation Criteria			
Alternatives	Current Baseline/Anticipated Initial Support/Status Quo			
Alternatives	Alternatives			
Mission and Business	Benefits and Nonfinancial Analysis			
Impacts	Cost and Financial Analysis			
Risk Analysis	Risk Analysis and Mitigation Plans			
Sensitivity Analysis	Sensitivity Analysis			
Conclusion	Comparison of Alternatives			
Conclusion	Summary of Results			
Recommendations	Specific Actions Based on Business Objectives			
Recommendations	Implementation Plan			



Comparison of Alternatives

- Overall integrated score for each alternative
 - Requires extensive weighting and scoring (scoring criteria essential)
 - Rolls cost, schedule, and performance into a single score
 - Potential to lose important distinctions in the process
 - Good for repeatability and transparency
- Robust discussions of the recommendation present the trade space around the decision



BCA Delivery

- An undelivered BCA = no BCA
 - Narrative document, fully addresses the study
 - Comprehensive and organized in a useful manner for decision makers and reviewing officials
 - Fully supported with documentation
 - Anticipated oversight requirements
 - Credibility required to stand up to rigorous auditing
- The document is iterative by nature
 - Foundation for follow-on studies within the program
 - Useful in analogy methodology of future programs



Other BCA Attributes

- Standardized BCA process
 - Its principles are similar to those of any scientific or objective based study
 - Emphasis on credibility, transparency and repeatability
- Process is standard yet methods are not prescribed
 - Tailor to the problem statement
 - Availability of required data can drive analysis
 - Required fidelity of the results can drive scope
 - Time and resources available vary by program

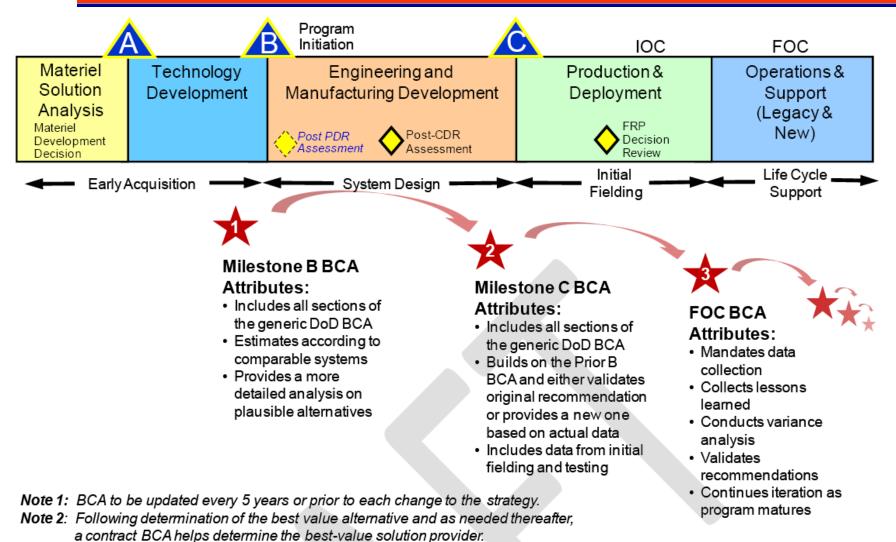


Other BCA Considerations

- Workload associated with a BCA can vary from moderate to very large
- You get what you pay for (sometimes)
- Standardized BCA process has many positives
 - Decision support becomes consistent
 - Process clarity provides greater understanding and less ambiguity
 - Structure inherently provides for easier review, updating, and incorporating into follow-on studies



Product Support BCA Requirements





DoD Product Support BCA Principles to Keep in Mind

- Product Support BCAs should be based on Warfighter requirements
- Be linked to Warfighter outcomes, metrics and contract incentives
- For ACAT 1 programs, develop initial BCA prior to MS B and perform detailed BCA prior to MS C
- Use best value determination
- Update BCA every five years or prior to a change in Product Support Strategy



Sustainability and the Best Value Determination

- Sustainability strongly affects the requirements and affordability equation
- Included in benefits and risk sections of guidebook
- Important component in risk analysis and trade space in comparison of alternatives



Discussion



Back-up



Product Support Strategy Specifics

- For legacy programs, assess changes to existing strategy – develop new program strategy
- For legacy programs, use cost and performance history for baseline – for new programs establish baseline early in the life cycle
- Reflect operational requirements and DoD guidance for contractors on the battlefield
- Address flexibility to support contingencies and surge requirements
- Value and affordability based decision